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PUBLISHED BY AUTHORITY

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No. 7] NEW DELHI, SATURDAY, FEBRUARY 18, 1989 (MAGHA 29, 1910)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 18th February 1989

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1—467 GI/88

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Telegraphic address "PATENTS".

Rest of India.

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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CORRIGENDA

In the Gazette of India Part-III Section 2 dated the 24-12-1988 under the heading 'PATENTS SFALED' include :—

162084 162106 162123 162126 162143 162144 162146
162147 162150 162152 162158 152159 152161 162162
162164 162165 162180 under 162083.

PATENT OFFICE BRANCH. BOMBAY-400 013

(1) In the Gazette of India Part III Section 2, dated 3rd December, 1988, under the heading Complete Specification Accepted.

(i) In respect of Patent No. 163879 (240/BOM/1985) the name of inventor is (1) JEAN LOUIS DUCT-CHATEAU, (2) CHARLES TAFT.

(ii) In respect of Patent No. 163870 (270/BOM/1985) convention priority read as U.K. convention priority date 9, October, 1984.

(iii) In respect of Patent No. 163876 (311/BOM/1986) in line 13 in between the word MEMBER and SAID read the following sentence.

'AND SAID PAD MEMBER, SAID CONNECTOR MEMBER BEING INTERPOSED BETWEEN SAID PAD MEMBER AND THE INNER SURFACE OF SAID INTERCONNECTING MEMBER.'

(iv) In respect of Patent No. 163878-Application No. as 363/BOM/1986, and in claim at end of line 16 in between the word ALKALIMPTAI-FATTY in place of —read $C_{10}-C_{12}$

(2) In the Gazette of India Part III Section 2, dated 10th December, 1988 under the heading "Application for Patents filed at Patent Office Branch, Bombay-400013, on page 1274.

(i) In respect of Patent Application No. 294/BOM/1988 read as NO APPLICATION.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 234/4, ACHARVA TAGADISH ROSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under Section 135, of the Patents Act, 1970.

The 12th January 1989

32/Cal/89. Vsesoiuzny Nauchno-Issledovatel'skiy i Proektno-Konstruktor'skiy Institut Neftyanogo Mashinostroyeniya Vnii-neftemash. Pipe grapple in a rotary table of drilling rigs.

33/Cal/89. Institut Biorganicheskoi Khimii Akademii Nauk Uzbet'soi SSR. Method for purification of 2,2'-DI-(1,6,7-trihydroxy-3-methyl-5-isopropyl-8-naphthaldehyde).

34/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to radial seal.

35/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to vacuum-type circuit interrupter.

36/Cal/89. Instytut Ciekwiej Syntezy Organicznej "Blachownia" And Zaklady Chemiczne "Blachownia". Method for production of bisphenol a.

The 13th January 1989

37/Cal/89. Nauchno-Proizvodstvennoe Obiedinenie Po Mekhanizatsii, Robotizatsii Truda i Sovershenstvovaniyu Remontnogo Obespecheniya Na Predpriyatiyakh Chernol Metallurgii Npo "Chermetmekhanizatsia". Vertical bearing assembly.

38/Cal/89. Tatarsky Gosudarstvenny Nauchno-Issledovatel'skiy i Proektny Institut Neftyanoi Promishlennosti. Method of well construction.

39/Cal/89. J. S. F. Holdings (Cork) Limited. Clothes steaming and drying cabinet. (Convention dated 13th January, 1988 & 24th May, 1988) both are Ireland.

The 16th January 1989

40/Cal/89. Dr. Mihir Sen. Monoclonal antibody for treatment of human T-Cell leukemia virus type HTLV-I.

41/Cal/89. Ethicon, Inc. Felt-like implant.

42/Cal/89. E. I. Du Pont De Nemours And Company. Seven hole spinneret.

43/Cal/89. 2 Moskovsky Gosudarstvenny Meditsinsky Institut Imeni N.I. Pirogova. Device for preparation of intravenous filter for implantation.

44/Cal/89. Trutzschler GMBH & Co. KG. A method for the separation of a card sliver during the can change in the spinning machines, device for the conduction of the procedure.

The 17th January 1989

45/Cal/89. E. I. Du Pont De Nemours And Company. Azeotropic compositions of 1, 1-Dichloro-1-fluoroethane and methanol/ethanol.

46/Cal/89. Kabushiki Kaisha Nishin Seisakusho. Super-finishing machine using lapping film.

47/Cal/89. Hoechst Aktiengesellschaft. Process for the preparation of sulfated alkanol oxethylates or alkylphenol oxethylates having a lowered content of 1, 4-dioxane.

The 18th January 1989

48/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to flexible joint capable of use in the oil burner combustor coaxial piping.

49/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to turbine blade fatigue monitor.

50/Cal/89. Westinghouse Electric Corporation. Improvements in or relating to improved automatic combustion control method for a rotary combustor.

51/Cal/89. General Electric Company. Hafnium stainless steel absorber rod for control rod.

52/Cal/89. Siemens Aktiengesellschaft. An assembly for an operating machine that is driven by a belt that is connected to an electric motor.

53/Cal/89. Siemens Aktiengesellschaft. Configuration for expanding an instruction storage area.

54/Cal/89. Texaco Development Corporation. Improved luench ring for a gasifier.

55/Cal/89. Krone Aktiengesellschaft. Protective plug for connector or disconnect banks.

56/Cal/89. Mitutoyo Corporation. Optical encoder.

APPLICATION FOR PATENTS FILED AT THE OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005

The 26th December 1988

1150/Del/88. Indo Gulf Explosives Ltd., "High Energy nitro carbo nitrate slurry explosives compositions".

1151/Del/88. Price Pfister, Inc., "Vandal resistant push pull drain stopper".

1152/Del/88. Bal Krishan Gupta, "An improved self closing pin type cylinder valve for L P gas cylinder".
(Addition to 618/Del/86).

1153/Del/88. Bal Krishan Gupta, "A device for measuring leakage from the valve of the L P Gas cylinder".
Addition to patent no. 162253).

The 27th December 1988

1154/Del/88. Manomohan Chopra, "Improvements in or relating to Lecks".

1155/Del/88. Council of Scientific & Industrial Research, "An improved homogeneous catalyst system for the reductive carbonylation of aromatic nitro compounds to corresponding urethanes".

1156/Del/88. Council of Scientific & Industrial Research, "A process for the preparation of a novel catalyst useful for preparation of carboxylic acid anhydrides".

1157/Del/88. Council of Scientific & Industrial Research, "A process for the preparation of phosphorylated prepolymers from alkyl/alkenyl phenols".

1158/Del/88. Council of Scientific and Industrial Research, "Improvement in or relating to a rotating regenerator for heating a cold gas with hot gas or cold air with hot flue gas".

1159/Del/88. The Lubrizol Corporation, "Mixture of partial fatty acid esters of polyhydric alcohols and sulfurized compositions, and use as lubricant additives".

1160/Del/88. The Lubrizol Corporation, "Sulfurized compositions, and additive concentrates and lubricating oils containing same".

1161/Del/88. Alcan International Ltd., "Battery". (Convention date 5th January, 1988) (U.K.).

The 28th December 1988

1162/Del/88. UOP, "Process for the dehydrocyclization of aliphatic hydrocarbons to aromatics using water addition to improve activity".

1163/Del/88. Prakash Dwivedi, "Battle tank".

1164/Del/88. Kailash Narayan Vakil, "Automatic device to control and or regulate quantity of liquid discharged through a syphonic system".

1165/Del/88. Laboratories Del Dr. Esteve S. A., "Derivatives of 7-(1-azetidiny)-1, 4-dihydro-4-oxo-3-quinolinecarboxylic acids, their preparation and application as medicines".

1166/Del/88. Uniroyal Chemical Co. Inc., "A process for preparing a novel heterocyclic-alkylene quinoxalinyloxyphenoxypropanoate compounds".

1167/Del/88. Shell Oil Co., "In-reactor stabilization of polyolefins via coated stabilizers".

The 29th December 1988

1168/Del/88. Council of Scientific and Industrial Research, "Fault diversion device".

1169/Del/88. Council of Scientific and Industrial Research, "An improved process for the production of cumene".

1170/Del/88. Council of Scientific and Industrial Research, "A process for preparation of crystalline microporous aluminosilicates useful as catalyst and adsorbent".

1171/Del/88. Council of Scientific and Industrial Research, "An improved flotation process for beneficiation of coal aliko minerals".

1172 Del/88. Chronar Corp., "Device for depositing material on substrates". [Divisional date 11th March, 1986].

The 30th December 1988

1173/Del/88. Ajay Gupta, "Improved water tap".

1174/Del/88. Piaggio & C. S. P. A., "Anchoring device for a two wheeler".

1175/Del/88. Eugene Dolgoff, "An improved video display system".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, THIRD FLOOR SUNMILL COMPOUND, LOWER PAREL (W), BOMBAY-13

The 26th December 1988

346/Bom/88. Hindustan Lever Ltd. Bleach containing laundry bars for use in the handwashing of fabrics and process for preparing same. 14th March, 1985, Great Britain.

347/Bom/88. Hindustan Lever Ltd. Laundry Bars for use in the handwashing of fabrics and process for preparing same. 14th March, 1985, Great Britain.

348/Bom/88. Hindustan Lever Ltd. Detergent compositions. 12th February, 1985 & 12th June, 1985, Great Britain.

The 27th December 1988

349/Bom/88. Hindustan Lever Ltd. Detergent compositions. 12th February, 1985 & 12th June, 1985 Great Britain.

The 29th December 1988

350/Bom/88. Hindustan Lever Ltd. Nickel/silica catalysts and their preparation.

The 30th December 1988

351/Bom/88. Ramesh Tribhuvandas Doshi. A method of producing reinforced organic manure.

352/Bom/88. Surendra Himmatlal Shah. A mini airconditioner-cum-dehumidifier.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002

The 2nd January, 1989

1/Mas/89. Dr. Jose Thakattil. Pilferproof cap.

2/Mas/89. Dartnall Engineering & Innovation Pty. Ltd. A seal. (January 12, 1988; Australia).

3/Mas/89. Gulde-Regelarmaturen GmbH & Co. KG. Apparatus with an initiator.

The 3rd January, 1989

4/Mas/89. Caterpillar Inc. Pivot Assembly. (August 3, 1988; Canada).

5/Mas/89. Kemira Oy. A colored nacreous pigment and a method for its preparation.

6/Mas/89. Thermon Manufacturing Company. Positive temperature coefficient thermistor heating pad.

The 4th January, 1989

- 7/Mas/89. Girivas Viswanath Shet. Anti Mosquito Powder.
- 8/Mas/89. Baltimore Aircoil Company, Inc. Thermal storage unit with trapezoidal fill.
- 9/Mas/89. Baltimore Aircoil Company, Inc. Low silhouette cooling tower with trapezoidal fill.
- 10/Mas/89. Peter James Duffett-Smith. Navigation and tracking system.

The 5th January, 1989

- 11/Mas/89. Arnold L. Sharkan. Contraceptive device : Micro-Condom.

The 6th January, 1989

- 12/Mas/89. Desoor Nagarathna Mudaliar Rajagopalan. Home spinning mill.
- 13/Mas/89. Minnesota Mining and Manufacturing Company. Disposable diaper with improved hook fastener portion.
- 14/Mas/89. Minnesota Mining and Manufacturing Company. Disposable diaper with improved hook and loop fastener system.
- 15/Mas/89. Heinz Georg Baus. Partition, more particularly for a corner shower.
- 16/Mas/89. Indian Institute of Technology. A method of, and an apparatus for, the preparation of oxygen enriched, orthorhombic, superconducting yttrium barium copper oxide powder.
- 17/Mas/89. Widia (India) Limited. Improved rock roller bits for withstanding severe wear.

ALTERATION OF DATE

164320. Ante dated 7th February, 1983.

(1091/Del/85)

CALCUTTA

159609 160087 161900 162154 162429 162489 162702
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CESSATION OF PATENTS

145815 145820 145822 145823 145824 145826 145827
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 145976 145977 145978 145979 145980 145981.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

145947 145950 145953 145954 145956 145957 145959
 Industrial Area, Phase-I, New Delhi-110020, India. An Indian Company. "Suction Waste Fitting for Whirlpool". 20th June, 1988.

Class 1. Nos. 159955 & 159956. The Jay Engineering Works Limited, an Indian Company of 23, Kasturba Gandhi Marg, New Delhi-110001, India. "Metal Laminations". 18th July, 1988.

Class 1. No. 160027. Freezland Refrigeration Corporation, 17-Ashok Nagar, Ludhiana-110001, Punjab, India. An Indian Partnership Firm. "Gas Filter and Drier". 12th August, 1988.

Class 1. No. 160180. Allied Instruments Private Limited, a company incorporated under the Indian Companies Act, 1956, of 30-CD, Govt. Industrial Estate, Kundivli, Bombay-400 067, State of Maharashtra, India. "Roll Memo Dispenser". 22nd September, 1988.

Class 1. No. 160218. Talcherkars Private Limited, (an Indian Company) at Pushpa Kunj, Palkhi Wadi, of Kashinath Dhuru Road, Prabhadevi, Bombay-400 028, State of Maharashtra, India. "Foldable Display System". 6th October, 1988.

Class 1. No. 160220. Talcherkars Private Limited, (a company incorporated under the Provisions of Companies Act) at Pushpa Kunj, Palkhi Wadi, of Kashinath Dhuru Road, Prabhadevi, Bombay-400 028, State of Maharashtra, India. "Display System". 6th October, 1988.

Class 1. Nos. 160292 & 160293. Peico Electronics & Electricals Limited, of Shivsagar Estate, Block "A", Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, an Indian Company. "a Luminaire." 19th October, 1988.

Class 1. No. 160496. Peico Electronics & Electricals Limited, of Shivsagar Estate, Block 'A' Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, an Indian Company. "a Reflector for Luminaire". 1st December, 1988.

Class 3. No. 159925. Pro-Tech Sports, an Indian Partnership firm. "Helmet for Sportsman". 7th July, 1988.

Class 3. No. 159954. DR. C. S. MA, Sole Proprietor of Rajuma Enterprises, an Indian National, Rajuma Dental Clinic Lane, 6, Faizabad Road, Lucknow-226 006, Uttar Pradesh, India. "Tooth Brush". 18th July, 1988.

Class 3. Nos. 160344 & 160345. Jiwa Appliances Limited, An Indian Company, at 384, Dongre Building, Lamington Road, Bombay-40007, State of Maharashtra, India. "Dimmer". 1st November, 1988.

Class 3. No. 160368. Geep Industrial Syndicate Limited, of 28, South Road, Allahabad, U.P., India, an Indian Company. "a Signalling Lantern". 11th November, 1988.

Class 3. No. 160401. Gala Brush Industries, (a registered Partnership firm) at 186 Narsi Natha Street, Bhat Bazar, Bombay-00009, State of Maharashtra, India. "Brush". 16th November, 1988.

Class 3. No. 160231. Polyene General Industries Private Limited, A-11 & 12, Industrial Estate, Guindy, Madras-600032, Tamil Nadu, India, a company duly organised and existing under the laws of the Union of India. "Roof Water tanks for railway coaches". 7th October, 1988.

Name Indexes of Applicants for Patent for the Month of April, 1988 (Nos. 274/Cal/88 to 349/Cal/88, 89/Bom/88 to 115Bom/88, 208/Mas/88, to 277/Mas/88 & 265/Del/88 to 375/Del/88).

Name & Appln. No.

HYLIS

A

A Ahlstrom Corpn.—262/Mas/88.

Acharyya, N. C.—289/Cal/88.

Accolla, W.—309/Cal/88.

Name & Appln. No.

A—contd.

Agrawal, M.—91/Bom/88, 92/Bom/88.

Agrawal, M. D.—93/Bom/88.

Allied Signal Inc.—343/Del/88.

Aluminium Pechiney.—308/Cal/88.

American Telephone and Telegraph Co.—218/Mas/88.

Ashland Oil, Inc.—315/Del/88.

B

BASF Aktiengesellschaft—245/Mas/88.

B.B.C.—273/Del/88.

BRG Mechatronikai Vullalat.—254/Mas/88, 255/Mas/88.

B. F. Goodrich Company, The.—274/Del/88.

B P Chemicals (Additives) Ltd.—352/Del/88.

B P Chemicals Ltd.—296/Del/88, 297/Del/88. 346/Del/88.

Babcock & Wilcox Co., The.—291/Cal/88.

Balcke Durr Aktiengesellschaft.—281/Del/88.

Bannerjee, P.—322/Del/88.

Bankoku Needle Manufacturing Co., Ltd.—315/Cal/88.

Bayer Aktiengesellschaft.—365/Del/88.

Bayer Antwerpen N. V.—345/Del/88.

Beloit Corpn.—338/Cal/88.

Belorussky Gosudarstvenny Universitet Imeni V. I. Lenina.—340/Del/88.

Bergakademie Freiberg.—347/Cal/88.

Bhagat, A. R. S.—297/Cal/88.

Bharat Heavy Electricals Ltd.—267/Del/88, 298/Del/88.

Bhattacharjee, S.—319/Cal/88.

Biswakarma, B.—96/Bom/88, 97/Bom/88.

Biswas, T.—101/Bom/98.

Northern Territory of Australia, The.—268/Del/88.

Brevetti Gaggia S.P.A.—239/Mas/88.

British Aerospace Public Ltd. Co.—225/Mas/88.

C

Castolin S.A.—303/Cal/88.

Chhabria, R.—114/Bom/88.

Chalipha, R.—324/Cal/88.

Chawla, S. K.—360/Del/88.

Chordia, V. K.—327/Del/88, 328/Del/88, 329/Del/88.

Cima Impianti S.p.A.—246/Mas/88.

Cincinnati Milacron Inc.—275/Cal/88.

Cledisc International B. V.—289/Del/88.

Compagnie Europeenne Du Zirconium Cezus.—293/Cal/88.

Compagnie Generale Des Matieres Nucleaires.—337/Cal/88.

Compania Telefonica Nacional De Espana, S.A.—354/Del/88.

Compuar Ltd.—336/Cal/88.

Concept Engineering Pvt. Ltd.—100/Bom/88.

Council of Scientific & Industrial Research.—333/Del/88, 334/Del/88, 335/Del/88, 336/Del/88, 337/Del/88, 367/Del/88, 368/Del/88, 369/Del/88, 370/Del/88, 371/Del/88.

Name & Appln. No.

Name & Appln. No.

D

Dana Corpn.—261/Mas/88.
 Das, P. S.—115/Bom/88.
 Degussa Aktiengesellschaft.—314/Cal/88.
 Demikhov, K. E.—284/Del/88.
 Devanand, K. K.—258/Mas/88.
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 Digital Equipment Corpn.—290/Del/88, 291/Del/88.
 Donwale Pty. Ltd.—280/Del/88.
 Draiswerke GmbH.—335/Cal/88.
 Dresser U. K. Ltd.—359/Del/88.
 Dri-Ya Industrial Thermoplast Pvt. Ltd.—108/Bom/88.
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E

Elf France.—295/Del/88.
 Eduard Wille GmbH & Co.—212/Mas/88.
 Endocon, Inc.—277/Del/88, 278/Del/88.
 Engenho Novo S.A.—375/Del/88.
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 Fosroc International Ltd.—276/Del/88.
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 Fried Krupp Gesellschaft Mit Beschränkter Haftung.—296/Cal/88.

G

General Electric Co.—326/Cal/88.
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 Gopalakrishnan, S.P.—223/Mas/88.
 Gopal, S.—248/Mas/88.
 Gordhanbhai, K. B.—89/Bom/88.
 Grams Electronics Pvt. Ltd.—251/Mas/88.
 Granger, G.—286/Del/88.
 Gratzmüller, C. A.—247/Mas/88, 252/Mas/88.
 Groznensky Filial Otkhtinskogo Nauchno-Proizvod-Stvennogo Obiedinenia "Plastpolimer".—307/Cal/88.
 Gujarat Narmada Valley Fertilizers Co. Ltd.—110/Bom/88, 113/Bom/88.
 Gupta, B. K.—282/Del/88.
 Gupta, S.P.—304/Del/88.

H

Hatakeyama, E.—348/Cal/88.
 Havel, K.—286/Cal/88.
 Hella KG Hpeck & Co.—364/Del/88.
 Hitachi Ltd.—305/Cal/88.
 Hoechst Aktiengesellschaft.—295/Cal/88.

I

I.C.I. Francolor S.A.—348/Del/88, 349/Del/88.
 I.E.L. Limited.—298/Cal/88.
 Imperial Chemical Industries Plc.—275/Del/88.
 Indian Institute of Science.—237/Mas/88.
 Injectall Limited.—284/Cal/88, 285/Cal/88, 344/Cal/88.
 Institut Francais Du Petrole.—259/Mas/88, 260/Mas/88.
 Institut Khimicheskoi Fiziki Akademii Nauk SSSR.—307/Cal/88.
 Institut Khimii I Tekhnologii Redkikh Elementov I Mineralnogo Syrya Kolskogo Filiala Akademii Nauk SSSR.—320/Cal/88.
 Institut Prikladnoi Fiziki Akademii Nauk Moldavskoi SSR.—299/Cal/88.
 Institut Problem Mashinostroeni Akademii Nauk Ukrainskoi SSR.—300/Cal/88.
 International Mobile Machines Corporation.—317/Del/88.

J

Jaising, I. (Mrs.).—102/Bom/88, 103/Bom/88.
 Jaising, S.—102/Bom/88, 103/Bom/88.
 Jaising, S. (Mrs.).—102/Bom/88, 103/Bom/88.
 Jay Engineering Works Ltd., The.—306/Bom/88.
 Johar, G. S.—266/Del/88.

K

Kailasam, P.—248/Mas/88.
 Karnavat, R.—90/Bom/88.
 Kollmorgen Corpn.—316/Del/88.
 Korthaus, E.—236/Mas/88.
 Krishan, A.—342/Del/88.

L

L. B. Transmissioni Meccaniche S. R. L.—325/Del/88.
 Land, A. L.—268/Del/88.
 Leningradskoe Proizvodstvennoe Textilno-Galan-Tseinoe Obiedinenie "Server".—345/Cal/88.
 Lee, Y.—331/Cal/88.
 Leningradsky Tekhnologicheskyy Institut Tsellulozno Bimazhnoi Promyshlennosti.—345/Cal/88.
 Lisapharma Spa.—288/Cal/88.
 Lokhandwala, H. H.—105/Bom/88.
 Lonza Ltd.—243/Mas/88.
 Lubrizol Corpn., The.—293/Del/88, 338/Del/88, 372/Del/88.
 Lumis Pty.—306/Cal/88.

Name & Appln. No.

M

Majumdar, S.—283/Cal/88.
 Marwaha, H. S.—265/Del/88.
 Maschinenfabrik Rieter AG.—224/Mas/88, 249/Mas/88.
 Maschinenfabrik Wifag.—357/Del/88.
 Mauser-Werke GmbH.—216/Mas/88.
 Mayhew, C. A.—355/Del/88.
 McDermott Incorporated.—292/Cal/88, 316/Cal/88, 328/Cal/88, 329/Cal/88, 330/Cal/88.
 McQueen, H.W.—264/Mas/88.
 Medina, H.—309/Cal/88.
 Merlin Gerin.—276/Mas/88, 277/Mas/88.
 Metal Box P.L.C.—307/Del/88.
 Metal Casting Technology, Inc.—265/Mas/88, 266/Mas/88.
 Metex Ag.—226/Mas/88.
 Michigan Consolidated Gas Co.—333/Cal/88.
 Millmore Engineering Pvt. Ltd.—256/Mas/88, 257/Mas/88.
 Mineral Engineering Technology (proprietary) Ltd.—263/Mas/88.
 Minnesota Mining and Mfg. Co.—268/Mas/88, 269/Mas/88.
 Mitsubishi Chemical Industries Ltd.—240/Mas/88.
 Mitsubishi Denki Kabushiki Kaisha.—234/Mas/88.
 Mitsui Kozan Chemicals co.—347/Cal/88.
 Mitsui Petrochemical Industries Ltd.—292/Del/88.
 Mobil Solar Energy Corpn.—358/Del/88.
 Mohan.—98/Bom/88.
 Morgan Construction Co.—30/Del/88.
 Motorola, Inc.—300/Del/88, 331/Del/88, 366/Del/88.
 Myo-Tech Corporation.—309/Cal/88.

N

NGK Insulators, Ltd.—322/Cal/88.
 N. V. Raychem S. A.—216/Mas/88.
 Nabisco Brand, Inc.—349/Cal/88.
 Nair, K. A.—242/Mas/88.
 Narayana, M. S.—275/Mas/88.
 National Council for Cement and Building Materials.—330/Del/88.
 Nederlandse Stikstor Maatschappij B. V.—294/Cal/88.
 Norsk Hydro, A. S.—344/Del/88.
 Nukem GmbH.—280/Cal/88, 281/Cal/88.

O

Ogle, C. L.—268/Del/88.
 Oil & Natural Gas Commission.—363/Del/88.
 Orbital Engine Company Proprietary Ltd.—269/Del/88.
 Otto India Pvt. Ltd.—325/Cal/88.
 Owens-Corning Fiberglass Corpn.—282/Cal/88.
 Owens-Illinois Plastic Products Inc.—271/Mas/88, 272/Mas/88, 273/Mas/88.

Name & Appln. No.

P

P. Howard Industrial Pipework Services Ltd.—332/Cal/88.
 Pannalal, N.—104 Bom/88.
 Parker Manufacturing Co.—302/Del/88.
 Patel, S. L.—89/Bom/88.
 Patel, V. J.—89/Bom/88.
 Paul Wurth S. A.—341/Del/88.
 Pennwalt Corpn.—339/Cal/88, 340/Cal/88.
 Perovitch, P.—302/Cal/88.
 Peters, A. D.—264/Mas/88.
 Poludniowy Okreg Energetyczny Katowice Elektrownia Lazi-ska & Przedsiębiorstwo Realizacji Budownictwa Energetycznego I Eksportu Urządzeń Energetycznych "Energoroz-ruch".—347/Del/88.
 Polymer Paters Ltd.—362/Del/88.
 Precision Mouldings Pvt. Ltd.—99/Bom/88.
 Prizvodstvennoe Obiedinenie "Stavropolpolimer".—307/Cal/88.

R

Ramakrishnan, T.—230/Mas/88.
 Raman, N.S.I.K.—233/Mas/88.
 Rangachary, K. A.—208/Mas/88, 209/Mas/88, 210/Mas/88.
 Rao, Y. S.—320/Del/88, 321/Del/88.

S

SKW Trostberg Aktiengesellschaft.—276/Cal/88.
 Samsonite Corpn.—308/Del/88.
 Samsu, D.—211/Mas/88.
 Sandoz Ltd.—238/Mas/88.
 Sandvik Ab.—244/Mas/88.
 Sangal, A.—283/Del/88.
 Sanwaria, G.—287/Cal/88.
 Sathyanarayana, M. S.—275/Mas/88.
 Schellstede, H.J.—264/Mas/88.
 Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—217/Mas/88.
 Sergeev V. P.—284/Del/88.
 Shuh, S. V.—111/Bom/88.
 Shamsuzzoha, Md.—290/Cal/88.
 Sharma, A.—311/Del/88.
 Sharshin, S.N.—284/Del/88.
 Shell Internationale Research Maatschappij, B. V.—270/Mas/88.
 Shell Oil Co.—323/Del/88, 351/Del/88.
 Shinn-I Hsiao.—219/Mas/88.
 Sholokov, V. B.—284/Del/88.

Name & Appln. No.

Name & Appln. No.

S—contd.

V

Shri Ram Fibres Ltd.—270/Del/88, 271/Del/88, 305/Del/88.

Siemens Aktiengesellschaft.—279/Cal/88, 310/Cal/88, 312/Cal/88.

Signode Corpn.—287/Del/88.

Singh, N. B. (Dr.).—287/Cal/88.

Singh, D.—95/Bom/88.

Singh, N.—95/Bom/88.

Sir Padampat Research Centre.—361/Del/88.

Smith & Loveless, Inc.—221/Mas/88.

Societe Anonyme dite : Aluminium Pechiney.—278/Cal/88.

Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.)—373/Del/88.

Societe des Produits-Nestle, S.A.—220/Mas/88.

Societe Nationale d' Etude et de Construction De Moteurs d'Aviation, SNECMA.—353/Del/88.

Societe National Elf Aquitaine (Production).—253/Mas/88.

Solvay & Cie.—272/Del/88.

Srinivasan, S.—94/Bom/88.

Stamcarbon B. V.—227/Mas/88, 228/Mas/88.

Standard Oil Co., The.—313/Del/88, 324/Del/88.

Statfield Equipments Pvt. Ltd.—106/Bom/88, 107/Bom/88.

Still Otto GmbH.—325/Cal/88.

Stork Brabant B. V.—229/Mas/88.

Sulzer Brothers Ltd.—311/Cal/88.

Sumitomo Chemical Co., Ltd.—213/Mas/88.

Sun Industrial Coatings Pvt. Ltd.—339/Del/88.

Sugikos, Inc.—346/Cal/88.

Swaminathan, C.—274/Mas/88.

T

TLV. Co., Ltd.—222/Mas/88.

Tactical Fabs, Inc.—313/Cal/88.

Takeda Chemical Industries Ltd.—231/Mas/88, 232/Mas/88.

Teijin Seiki Co.—304/Cal/88.

Toyo Engineering Corpn.—347/Cal/88.

T

UOP Inc.—312/Del/88.

Union Carbide Corpn.—285/Del/88, 288/Del/88.

Ukrainsky Institut Inzhenerov Vodnogo Khozyaistva.—321/Cal/88.

Union Rheinische Braunkohlen Kraftstoff AG.—279/Del/88.

Urban Transportation Development Corporation Ltd.—309/Del/88, 310/Del/88.

Vakil, K. N.—326/Del/88.

Veb Petrolchemisches Kombinat Schwedt.—347/Cal/88.

Vikhrev, V. I.—284/Del/88.

Viral Technologies, Inc.—235/Mas/88.

Voltas Limited.—112/Bom/88.

W

Warner Lambert Co.—318/Del/88.

Weh, E.—267/Mas/88.

Weh, W.—267/Mas/88.

Westinghouse Electric Corpn.—274/Cal/88, 334/Cal/88, 341/Cal/88, 342/Cal/88, 343/Cal/88.

Whisson, M. E.—250/Mas/88.

White Consolidated Industries, Inc.—323/Cal/88.

Z

Zadlani Pty. Limited.—317/Cal/88.

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CLASS : 39N [III] and 35E [XXV(2)].

164311

Int. Cl.⁴ C 04 B 35/06.

AN IMPROVED PROCESS FOR THE PRODUCTION OF PURE MAGNESIUM CARBONATE FROM MAGNESITE/DOLomite.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : VISHWANATH ANANT ALTEKAR, GURDIAL SINGH, MANIK LAL DEY AND NAYAR DHANANJAYAN.

Application for Patent No. 246/Del/85 filed on 23 March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the production of pure magnesium carbonate from magnesite/dolomite which comprises calcining ground magnesite/dolomite, leaching it with an aqueous solution of ammonium chloride to obtain leach liquor comprising magnesium chloride in solution and ammonia gas, purifying the magnesium chloride solution, by the addition of calcined magnesite along with passing of CO₂, separating the insolubles by filtration, precipitating magnesium carbonate from purified magnesium chloride solution by the addition of gaseous ammonia formed during leaching step and gaseous carbon dioxide produced during the said calcination of magnesite/dolomite, filtering and drying the magnesium carbonate obtained, the spent liquor containing NH₄ Cl being used in the said leaching step.

Compl. specn. 8 pages.

CLASS : 70 C₆.

164312

Int. Cl.⁴ : C 01 b 9/00.

A PROCESS FOR PRODUCING HALOGEN-CONTAINING COMPOUNDS FROM HALIDE-CONTAINING SOLUTIONS.

Applicant : THE STANDARD OIL COMPANY, AN OHIO CORPORATION, HAVING A PLACE OF BUSINESS AT PATENT & LICENSE DIVISION, MIDLAND BUILDING, CLEVELAND, OHIO 44115, UNITED STATES OF AMERICA.

Inventors : JONATHAN HENRY HARRIS, ROBERT KARL GRASSELLI, MICHAEL ARAN TENHOVER AND MICHAEL D. WARD.

Application for Patent No. 360/Del/85 filed on 29th April, 85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

13 Claims

An electrolytic process for production of halogen-containing compounds such as herein described from halide-containing solutions, said process comprises the steps of conducting electrolysis of said solutions at a voltage range of from 1.10 to 2.50 volts (SCE) and current densities of from 10 to 2000 mA/cm², at a temperature range of from 0° to 100°C in an electrolytic cell having a platinum based amorphous metal alloy anode having the formula Pt D_x D is B, Si, Al, Ge, P, As, Sb, Sn and mixtures thereof; P ranges from 40 to 92; and d ranges from 8 to 60; with the proviso that p+d=100.

Compl. specn. 15 pages.

CLASS : 70 C₆.

164313

Int. Cl.⁴ : C 01 b 13/02.

IMPROVED ELECTROLYTIC PROCESS FOR THE PRODUCTION OF OXYGEN AT THE ANODE.

Applicant : THE STANDARD OIL COMPANY, AN OHIO CORPORATION, HAVING A PLACE OF BUSINESS AT PATENT & LICENSE DIVISION, MIDLAND BUILDING, CLEVELAND, OHIO, 44115, UNITED STATES OF AMERICA.

Inventors : JONATHAN HENRY HARRIS, ROBERT KARL GRASSELLI, MICHAEL ALAN TENHOVER AND MICHAEL D. WARD.

Application for Patent No. 362/Del/85 filed on 29th April, 85.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

24 Claims

Improved electrolytic process for the production of oxygen at the anode by electrolysis of an electrolyte solution such as herein described, said process comprising the steps of conducting said electrolysis process in an electrolytic cell, at voltage range of from 1.10 to 2.50 volts (SCE) current densities of from 10 to 2000 mA/cm² and temperature range of from 0° to 100°C, said electrolyte solution at a PH of 1 to 12 and molar concentration of from .25 to 4 molar, wherein said anode is a platinum based amorphous metal alloy oxygen anode having the formula

Pt D_x

where D is B, C, Si, Al, Ge, P, As, Sb, Sn, and mixture thereof;

P ranges from 40 to 92;

d ranges from 8 to 60, with the proviso that p+d=100.

Compl. specn. 15 pages.

Int. Cl.⁴ : E 21 D 21/00

164314

TENSIONED CABLE TRUSS DEVICE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAJ MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : BIRENDRA PRASAD VERMA, LALIT MOHAN PRASAD & BHAGWANT SINGH.

Application for Patent No. 401/Del/85 filed on 15th May, 1985.

Complete Specification left on 12th August, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

A tensioned cable truss device to support the roof of coal mines comprising a pair of high tensile steel wires or ropes (2) each pair provided at its one end with an anchoring (1) device to fix their ends to the roof of the mines and provided with fixing plate (4) at the other end, the fixing plate (4) having small through holes on its periphery to engage the steel wires or ropes, and a bigger hole at its middle, the middle bigger hole of one fixing plate having right hand threads while the middle bigger hole of the other fixing plate having left hand threads, a turn buckle provided with right hand threads on one end and with left hand threads on the other end engaging with the corresponding ends

of the steel wire or ropes through the bigger hole of the fixing plate, and a pair of bearing blocks being provided between the mine roof and the steel wires or the ropes to exert upward pressure on the roof.

Provisional Specification 4 pages.

Drgs. 1 sheet

Compl. specn. 8 pages.

Drgs. 2 sheets

Int. Cl.⁴ : C 07 C 31/00.

164315

IMPROVED PROCESS FOR RECOVERING ALCOHOLS FROM ACID/ALCOHOL FEEDSTREAMS

Applicant : EXXON RESEARCH AND ENGINEERING COMPANY, A CORPORATION OF DELAWARE, UNITED STATES OF AMERICA, CARRYING ON BUSINESS AS A COMPANY FOR THE HOLDING OF PATENTS AND GRANTING LICENSES THEREUNDER, AND TECHNICAL DEVELOPMENT AND RESEARCH WORK AT P. O. BOX 390, FLORHAM PARK, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : WILLIAM DANIEL DIANA & DAVID LOUIS WERNICK.

Application for Patent No. 448/Del/85 filed on 5th June, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

19 Claims

An improved process for recovering alcohols from acid/alcohol feedstreams comprising aqueous strong acid solutions containing said alcohols which comprises :

- (a) contacting said acid/alcohols feedstreams in an extraction zone with an effective amount of an extraction solvent selected from the group consisting of alicyclic and acyclic carboxylic acids having from 6 to 20 carbons per molecule and mixtures thereof, for a time and under conditions sufficient to selectively extract said alcohol from said acid/alcohol feedstream and to form a first liquid phase comprising an alcohol enriched carboxylic acid extract, and a second liquid phase comprising an aqueous strong acid raffinate depleted in alcohol;
- (b) recovering in a manner such as herein defined, said alcohol-enriched carboxylic acid extract and removing alcohols from said extract by introducing said alcohol-enriched carboxylic acid extract into an alcohol vaporization zone and contacting said extract therein with substantially anhydrous stripping vapors, in an amount and under conditions sufficient to form an overhead product comprising at least a majority of said alcohol passed to said vaporization zone and an alcohol depleted carboxylic acid extraction solvent liquid.

Compl. specn. 64 pages.

Drgs. 2 sheets

Int. Cl.⁴ : C 04 B 35/04.

164316

A PROCESS FOR THE PREPARATION OF MAGNESIA SPINEL REFRACTORIES.

Applicant : NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS, M-10, SOUTH EXTENSION, PART-II, RING ROAD, NEW DELHI-1100049. REGISTERED UNDER THE SOCIETIES ACT.

Inventors : HOSAGRAHARA CHANDRASEKHARAIAH VISVESVARAYA, SHIBAN II RAINA, SATISH CHANDRA SHARMA ND SHREE GOPAL.

Application for Patent No. 616/Del/85 filed on 31 July, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

4 Claims

A process for the preparation of magnesia spinel refractories having a CaO/SiO₂ ratio above 2 which comprises in preparing a mix by adding fines consisting of lime bearing material and dead burnt magnesite to a coarse fraction of dead burnt magnesite followed by addition chromite ore and sulphite lye thereto, pressing, drying and firing the mix characterised in that 25 to 35% by weight of fines of lime bearing material and dead burnt magnesite having a particle size not greater than 0.5 mm. 23 to 30% by weight of chromite ore and 40 to 50% by weight of magnesite coarse fraction of dead burnt magnesite are present in the mix.

Compl. specn. 6 pages.

Int. Cl.⁴ B 21 B /1/04

164317

AN IMPROVED PROCESS FOR HOT ROLLING OF STEEL STOCK.

Applicant : SINGH & ASSOCIATES, A REGISTERED FIRM, WHOSE PARTNERS ARE RABINDER SINGH AND KRISHNAMURTHY RAMAMRITHAM IYER OF A-145, GUJRENWALA TOWN, DELHI-110009, INDIA, AN INDIAN COMPANY.

Inventor : KRISHNAMURTHY RAMAMRITHAM IYER.

Application for Patent No. 666/Del/85 filed on 14th August, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

2 Claims

An improved process for the hot rolling of steel stock comprising in heating of the stock to a temperature of 1130° to 1230°C, the heated stock is rolled through various pairs of rolls reducing the size of the initially bigger cross section characterized in that when the deep impressions are formed on the stock and the temperature during rolling is reduced to 900°C to 1100°C, slitting the stock longitudinally in two or more numbers and rolling the stock further.

Compl. specn. 9 pages.

Drg. 1 sheet

Int. Cl.⁴ : E 21 C 29/00.

164318

EQUIPMENT FOR MINING STEEP MINERAL SEAMS PARTICULARLY STEEP COAL SEAMS.

Applicants : KOZPONTI BANYASZATI FEJLESZTESI INTÉZET, OF BUDAPEST, VERSANYI IREN U. 40-44, 1027 HUNGARY; MECSEKI SZENBANYAK, OF PECS, KAMJATH A.u. 5, 7629 HUNGARY; VESZPREMI SZENBANYAK, OF VESZPREM, BUDAPEST u. 2,8200 HUNGARY ALL HUNGARIAN COMPANIES AND DOWTY MINING EQUIPMENT LIMITED, OF ASCHURCH, TEWKESBURY, GLOUCESTERSHIRE, GL20 8JR, ENGLAND, A BRITISH COMPANY.

Inventors : EMIL MEREI, BALAS LASZLO, VABIRO GABOR, BACSKO LASZLO, TISZAI LASZLO, PERA FERENC, HISZTAY KALMAN, BOHNERT JOZSEF, BARCZA GEZA, PERSCHI OTTO, SZEBENYI FERENC,

Application for Patent No. 745/Del/85 filed on 11th September, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

Equipment for mining steep mineral seams particularly seal, said equipment having at least one unit (30) comprising a base element (46) connected by a hydraulically contractile and extendible leg (44) and a stabilising element to a canopy (48), said canopy (48) being provided with an extendible cantilever (54) movable relative to the canopy, said stabilising element having therein a caving opening with a door (56); and a cutting-transporting mechanism (28) connected by a rod (68) of a lifting lowering ram (66) to a stool (62) to be displaced relative to the base element (46), said stool being connected to said base element.

Compl. specn. 22 pages.

Drgs. 6 sheets

164319

Int. Cl.⁴ : B 29 C 33/40.

MOLD APPARATUS FOR USE IN HEAT EXPANDING PREFOAMED RESIN BEDS TO FORM A PART OF A PREDETERMINED SHAPE.

Applicant : MORVAL-DURAFORM LIMITED, A COMPANY OF THE PROVINCE OF ONTARIO, OF 152 BIRCH STREET, KITCHENER, ONTARIO N2G 4E1, CANADA.

Inventor : VICTOR LARRY CRABTREE.

Application for Patent No. 845/Del/85 filed on 10th October, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

10 Claims

A mold apparatus for use in heat expanding prefoamed resin beads to form a part of a predetermined shape, said mold comprising a cavity defining said part predetermined shape, said cavity being provided by separable wall portions of said mold and defined by inner surfaces of said wall portions, said mold having a chamber defined exterior of and associated with each said wall portion, a first conduit for introducing a heating medium into each said chamber to heat the corresponding wall portion, a second conduit for introducing a cooling medium into each said chamber to cool the corresponding wall portion when needed, a first drain device for removing steam, condensate and cooling water from each of said chambers, a plurality of nozzles provided in at least one of said wall portions and characterised in that a corresponding plurality of tubes interconnect said nozzles to a manifold located in the corresponding chamber for fluid communication between the respective nozzle and manifold, each of said nozzles being flush with the corresponding inner surface of the respective wall portion and having a nozzle opening of cross-sectional area which is sufficiently small to preclude formation of evident surface marks on the formed part in the vicinity of each nozzle opening, a third conduit for introducing a pressurized heating medium to an end of said manifold whereby such heating medium is injected into said cavity to expand prefoamed resin beads when present in said cavity and a second drain device in fluid communication with said manifold for providing a controlled discharge of steam and condensate from said manifold.

Compl. specn. 19 pages.

Drgs. 3 sheets

Int. Cl.⁴ : C 11 D 1/00.

POURABLE, NON-SEDIMENTING, AQUEOUS BASED DETERGENT COMPOSITIONS.

Applicant : ALBERT & WILSON LIMITED, A BRITISH COMPANY OF ALBRIGHT & WILSON HOUSE, HAGLEY ROAD, WEST OLDBURY, WARLEY, WEST MIDLANDS, ENGLAND.

Inventors : BRAIN JOHN AKRED, EDWARD TUNSTALL MESSENGER AND WILLIAM JOHN NICHOLSON.

Application for Patent No. 1091/Del/85 filed on 19th December, 1985.

Divisional to application No. 74/Del/83. Ante-dated to 7th February, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110 005.

17 Claims

A pourable, Non-sedimenting, aqueous based detergent composition containing at least 5% by weight an aqueous surfactant of the kind as herein described, an aqueous solution of a dissolved surfactant-desolubilising electrolyte salt as herein described which does not cause the formation of unacceptable large crystals on standing or react chemically with said surfactant and at least 15% by weight of a solid builder of the kind as herein described, wherein the dissolved electrolyte salt is present in a concentration which lowers the micellar solubility of the surfactant to such an extent that the composition separates on Centrifuging at 800 times normal earth gravity for 17 hours into an aqueous liquid layer containing dissolved electrolyte and one or more other layers at least one of which one or more layers contains at least part of the surfactant characterised in that :

(A) the amount of electrolyte is above the minimum at which :

- (i) said aqueous liquid layer contains less than 75% of the total weight of the surfactant in the composition; and
- (ii) the surfactant forms a lamellar liquid crystal phase or lamellar solid phase; and
- (iii) the electrolyte salt contributes from 2 to 4.5 gms ions per litre of alkali metal ion to said liquid layer; and
- (iv) the composition recovers after exposure to high shear to exhibit a higher viscosity than before shearing; and

(B) the amount of water is above the minimum level at which the composition is Non-sedimenting and below the maximum level at which it is pourable.

Compl. specn. 103 pages.

Drgs. 10 sheets

164321

Int. Cl. : A 47 b 57/00.

A PALLET FOR SUPPORTING HORIZONTALLY STACKED SHEETS OR BOARDS SUCH AS FIRRO CEMENT SHEETS OR HOARDS.

Applicant : HYDERABAD ASBESTOS CEMENT PRODUCTS LTD., SANAT NAGAR, HYDERABAD-500018, ANDHRA PRADESH, INDIA.

Inventor : I. JAYANTI LAKSHMI SATYANARAYANA SWARUP.

Application No. 155/Cel/85 filed March 1, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A pallet for supporting horizontally stacked sheets or boards such as fibro cement sheets or boards comprising a support frame having at least two vertical columns spaced apart, the lower end of each said column having an inverted hollow open box-like support structure fixed thereto, the upper end of each said column having an angle frame secured thereto to provide a horizontal support ledge, the lower end of each said column also having in addition to said box-like structure, an additional support member thereof, the one longitudinal side of said support frame being secured to the said two columns spaced apart on the said additional support member thereof such that the other longitudinal side of said support frame is free, said support frame being formed of a plurality of longitudinal and transverse or cross members adapted for supporting said stacked sheets, said support frame also having suitable support member at its underside thereof.

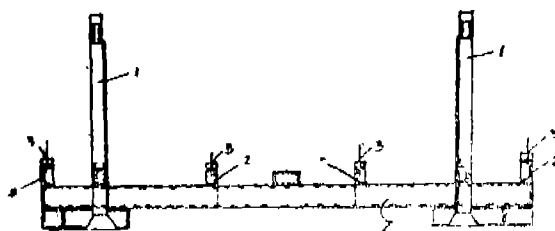


Fig. 1

Compl. specn. 10 pages

Drg. 3 sheets

CLASS : 50-E₂ & F

164322

Int. Cl. : F 25 b 31/00.

REFRIGERATION COMPRESSOR.

Applicant : WHITE CONSOLIDATED INDUSTRIES, INC., OF 11770 BEREA ROAD, CLEVELAND, OHIO 44111, U. S. A.

Inventor : 1. JACK FEATH FRITCHMAN.

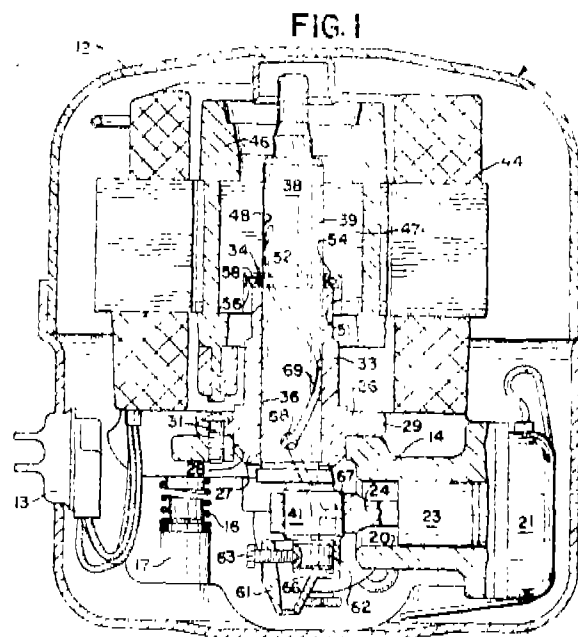
Application No. 424/Cal/85 filed June 5, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A hermetic refrigeration compressor comprising a shell, a cylinder block mounted in said shell, a single piston and cylinder means on said cylinder block, a stator mounted on said cylinder block, a bearing hub on said cylinder block defining a vertical bearing bore, said bearing hub having an end face at the top thereof around said vertical bore, a crankshaft journaled in said vertical bore and arranged to reciprocate in said cylinder said crankshaft having an upper end extending upwardly above said bearing hub, a rotor secured on said crankshaft upper end concentric with said stator, a thrust surface carried on said crankshaft above said end face,

and a ball thrust bearing between said thrust surface and the end face on said bearing hub.



Compl. specn. 16 pages.

Drg. 1 sheet

CLASS : 39-N; 40-F.

164323

Int. Cl. : B 01 j 1/00; C 01 d 11/00.

"PROCESS FOR OBTAINING IMPURITY FREE SUPER-SATURATED BAYER'S CYCLE SOLUTION FROM IMPURE SOLUTION OBTAINED IN A CONVENTIONAL BAYER'S PROCESS".

Applicant : ALUMINIUM PECHINEY, OF 23, RUE BALZAC 75008 PARIS, FRANCE.

Inventors : 1. JEAN FABRE, 2. ERIC LAVALOU, 3. FRANCOIS NICOLAS.

Application No. 481/Cal/85 filed June 26, 1985;

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A process for obtaining impurity-free supersaturated Bayer's cycle solution from impure solution obtained in a conventional Bayer's process, preferably taken off after decomposition of the sodium aluminate before or after concentration thereof which comprises introducing a supersaturation destabilization agent for the precipitation of sodium oxalate impurities from the supersaturated Bayer's solution, characterized in that the supersaturation destabilization agent introduced into the Bayer solution to cause precipitation of the sodium oxalate is selected from the group comprising calcium oxalate and barium oxalate and that, in the case of solutions charged with degraded organic materials which generally result from high-temperature attack on bauxites with high proportions of humic materials, an anionic synthetic polyelectrolyte selected from the group comprising :

polyacrylic acids, polyacrylamides, sodium polystyrene sulphonates and sodium polyacrylate and polyacrylamide copolymers is previously introduced into said solutions at any point in the Bayer cycle.

Compl. specn. 31 pages.

Drg. 1 sheet

CLASS : 125-B₁, a; 146-C

164324

4 Claims

Int. Cl. : G 01 f 1/00, 3/00, 5/00, 7/00, 9/00.

IMPROVEMENTS IN OR RELATING TO APPARATUS FOR MEASURING THE MASS FLOW RATE OF SOLIDS AND AIR.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, P. O. BOX 60035, NEW ORLEANS, LOUISIANA 70160, U. S. A.

Inventor : 1. RAYMOND KEEHEUN KIM.

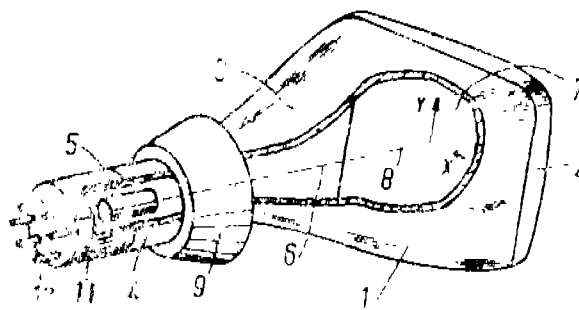
Application No. 622/Cal/85 filed August 28, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

Apparatus for measuring the mass flow rate of a mixture of solids and air flowing within a conduit comprising an orifice flowmeter within said conduit; means to measure the pressure differential across said orifice flowmeter; and a reaction mass flowmeter connected to said conduit; said reaction mass flowmeter comprising an inner elbow having a first inlet end attached to said conduit, and a free outlet end, an outer elbow surrounding said inner elbow and attached at one end to said inner elbow adjacent said first end and at its opposite end to said conduit, and a load cell having a sensing element attached to said inner elbow in position to sense the reaction force applied to said inner elbow by said fluid as the fluid changes direction as it flows through said elbow.

A display tube comprising an electron gun centred around a gun axis in an evacuated envelope for generating an electron beam which is focussed on a display screen with the aid of an electrostatic focussing lens and which is deflected across said display screen in two mutually perpendicular directions characterized in that a correction structure of magnetic half-hard material is provided in the proximity of the said electrostatic focussing lens in which at least one magnetic 2N-pole is induced, with $N \leq 2$, said 2N pole having an axis of symmetry extending coaxially with the gun axis.



Compl. specn. 9 pages.

Drg. 1 sheet

164326

Int. Cl. : E 04 c 1/00, 1/12.

METHOD AND APPARATUS A MANUFACTURING CONSTRUCTIONAL BLOCKS AND THE BLOCKS THUS OBTAINED.

Applicant & Inventors : PIAZZA GIOVANNI, OF 27 RUE JULES GUESDES, 59178 HASNON, FRANCE AND PIZZA MARIO OF 15 RUE VICTOR HUGO, 59135, WAILERS, FRANCE.

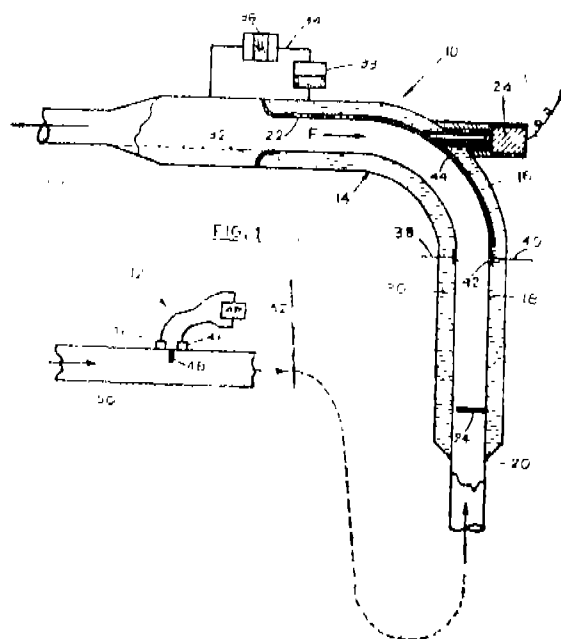
Application No. 258/Cal/86 filed March 31, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A method of forming a constructional block such as a right angle parallelepiped whose two parallel faces and preferably those providing the stablest support for the block are provided with complementary means some projecting and the others being recessed, with respect to the faces and, for this, a press is used which comprises a lower die formed of a frame associated with a translational moving means which means further holds this frame applied against a substantially flat surface from which project cores, the side walls of the frame forming the sides of the block whereas the surface and the cores form the face the upper die having its lower face shaped so as to form on the block the face comprising the projecting self-positioning means this upper die being associated with a means providing translational movement with respect to the lower die, in a direction substantially orthogonal to the surface this method being characterized in that:

— a lower die is filled with a given and at least substantially excess amount of material.



Compl. specn. 10 pages.

Drg. 1 sheet

CLASS : 191C₁₁

164325

Int. Cl. : H 01 j 29/54, 29/66.

DISPLAY TUBE.

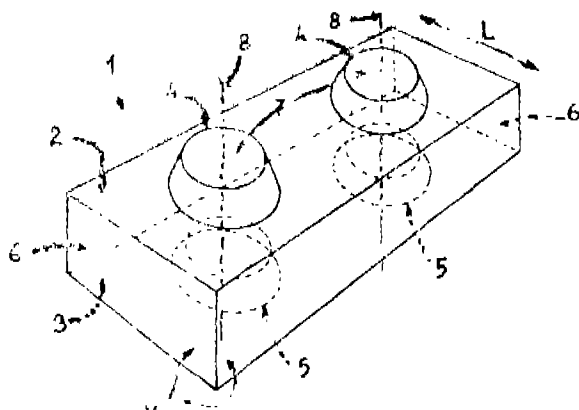
Applicant : N. V. 'PHILIPUS' GLOEILAMPENFABRIEK, AT GROENEWOUDSEWEG 1, EINDHOVEN, THE NETHERLANDS.

Inventor : 1. OTTO MENSIES.

Application No. 186/Cal/86 filed March 12, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

- after substantially closing the lower die with an upper die so as to form the mold, by drawing said dies together, the material is highly compressed while, simultaneously with drawing them together, under the action of a means for controlling and regulating its passage, in a first stage, the excess material is allowed to partly escape outwardly of the mold and in a second stage, substantially before obtaining the desired dimension between the two faces of the block through the relative drawing together of the dies, the passage of the material escaping outwardly from the mold is stopped,
- this method being also characterized in that after compression of the material,
- the cross forming the complementary recessed means are retracted under the substantially horizontal surface forming the bottom of the lower die,
- the upper die, the means controlling and regulating the escape of the excess material, the frame forming the internal side walls of the lower die and the block held between said side walls are raised simultaneously over a height (H) at least greater than the total thickness of the block so that then,
- a stripping plate is brought substantially under the above assembly,
- the block is deposited on the stripping plate by driving it out of the frame using the upper die which is lowered through said frame until the block is disengaged,
- the stripping plate is removed and with it the block,
- the lower die is reformed by replacing the frame on the surface forming the bottom of the lower die and erecting the cores above this surface,
- a new manufacturing cycle is begun again is required.



Compl. specn. 14 pages.

Drgs. 2 sheets

CLASS : 150-G.

164327

Int. Cl. : F 16 j 15/00.

CONTROL CONNECTOR.

Applicant : VETCO OFFSHORE INDUSTRIES, INC.,
AT 7135 ARDMORE ROAD, HOUSTON, TEXAS 77054,
U. S. A.

Inventors : 1. JAMES LYNN DEAN, 2. JAMES WEL-
DON ALBERT.

Application No. 289/Cal/86 filed April 14, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

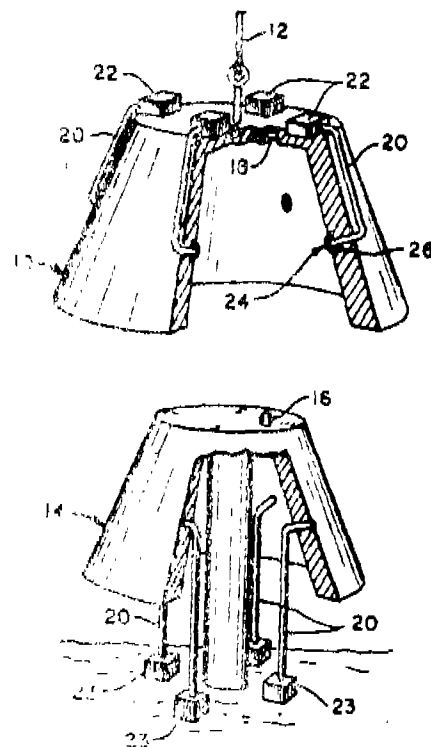
An underwater hydraulic control connector, comprising :

- a cap member;
- a head member, the cap and head members being engageable each with the other;
- a means for aligning the cap and head members during engagement;
- a plurality of conduits in the cap and head members, each cap member conduit mating with a corresponding head member conduit for fluid communication when the cap and head members are engaged;
- a seal assembly located around the mating end of each of the cap conduits for forming a fluid tight seal between the mated conduits;

the cap member further having an annular groove disposed about the mating end of the cap conduit, the groove having an increasing diameter at an increasing depth beneath the mating surface of the cap member;

the seal assembly further comprising,

a resilient packing member configured to fit closely into at least the portion of the annular groove of increasing diameter for retention thereby, and comprising an annular sealing ring portion having a continuous thickness greater than the depth of the groove, and an inwardly extending annular sealing lip only around the mating end of said cap member conduit, whereby pressure within said conduit exerts an unbalanced force on said resilient packing member urging said packing member only toward said cap.



Compl. specn. 6 pages.

Drgs. 2 sheets

CLASS : 206-E.

164329

Int. Cl. : H 03 h 7/38

A DEVICE FOR AUTOMATICALLY MATCHING THE IMPEDANCE OF AN ANTENNA.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF WITTELSBACHERPLATZ 2, D-8000, MUNICHEN 2, WEST GERMANY.

Inventors : 1. HELMUT FUNFGELDER, 2. ERWIN BASSLER.

Application No. 394/Cal/86 filed May 27, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A device for automatically matching the impedance of an antenna to the nominal impedance of a transmitter, comprising :

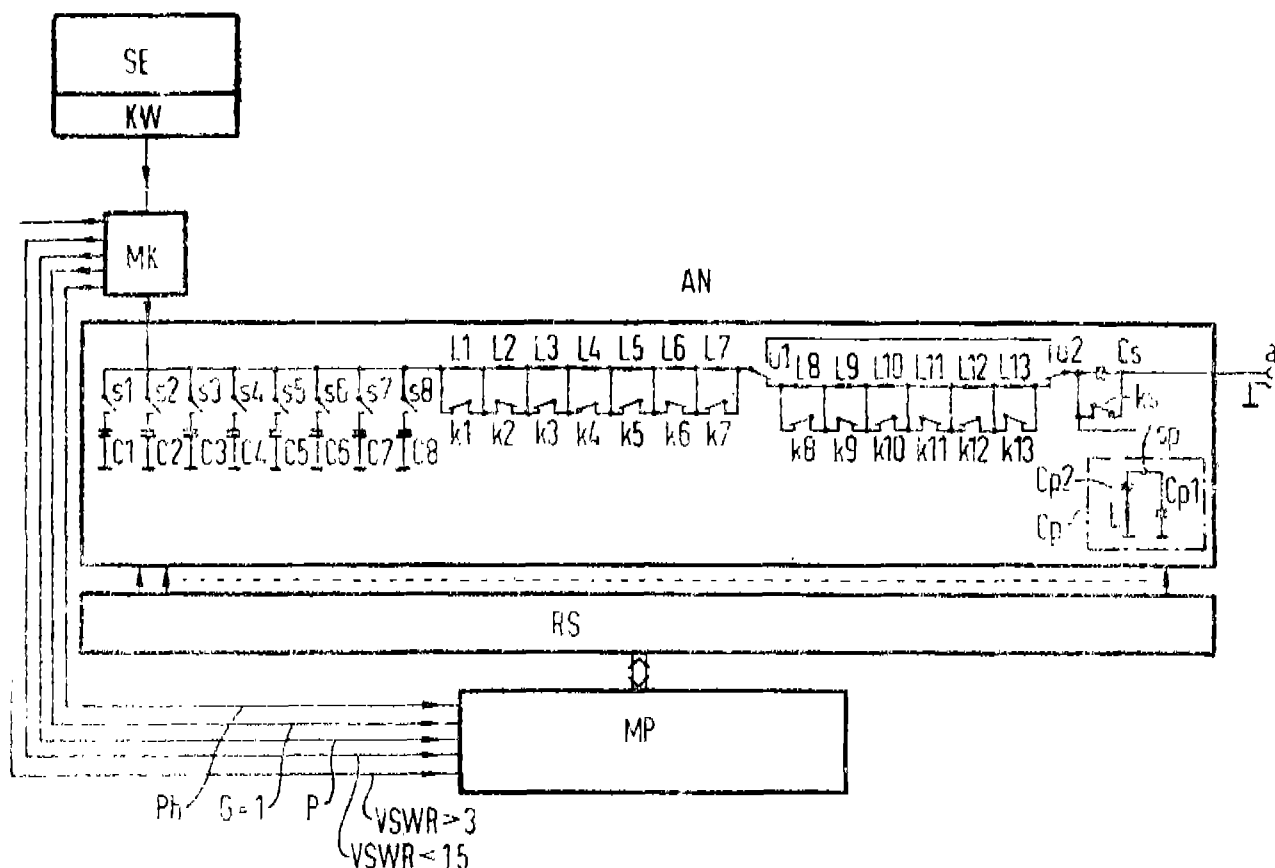
a matching network which has a variable impedance and has its input connected via a measuring head to the transmitter output, and its output connected to the antenna;

said network comprising at least one input-end capacitive shunt arm of variable capacitance, comprising for example a plurality of capacitor elements connectable in parallel and an inductive series arm of variable inductance comprising, for example, a plurality of coil elements selectively connected in a series cascade.

and to vary its impedance cooperates with a micro-processor for changing the shunt arm capacitance and/or the series arm inductance, in dependence upon information supplies at the micro-processor input from the measuring head, which relates in particular to the voltage standing wave ratio and the phase relationship;

to control the impedance setting of the matching network in the desired direction;

said inductive series having a variable inductance so that a standard tuning process is effected by a first step, by changing the series arm inductance so that the antenna impedance presented to the transmitter output transformed via the matching network assumes an inductive value and, relative to the Smith diagram, reaches the " $G=1$ " circle, the shunt arm capacitance being variable so that the transformed antenna impedance is moved along the " $G=1$ " circle until the measuring head indicates that the transition from the inductive zone to the capacitive zone has been reached, and thus the tuning process concluded, whilst if the transformed antenna impedance indicates an excessively high voltage standing wave ratio, preferably $VSWR > 3$, when the " $G=1$ " circle is reached in the second step an intermediate step is performed when a given voltage standing wave ratio preferably $VSWR=3$, is reached, in which, by further changing the series arm inductance the transformed antenna impedance is corrected in the direction of its displacement to the " $G=1$ " circle and to complete these process steps the measuring head circuit is designed to emit control information to the micro-processor so that these items of control information, together with information relating to the transmitting level, phase and voltage standing wave ratios include a criterion for the " $G=1$ " circle.



164329

8 Claims

Int. Cl. : F 21 b 43/00.

AN OFFSHORE DEEP WATER PLATFORM.

Applicant : MCDERMOTT INCORPORATED, OF P. O. BOX 60035, 1010 COMMON STREET, NEW ORLEANS, LOUISIANA, 70160, U. S. A.

Inventors : I. STEPHEN ALLEN WILL.

Application No. 789/Cal/86 filed October 28, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

An offshore deep water platform comprising :

- (a) a deck supporting a drilling rig;
- (b) a jacket supporting said deck above the sea floor comprising elongated support legs extending down from said deck;
- (c) skirt piles rigidly secured to a mid region of said support legs and supporting said platform;
- (d) force transfer means for transferring structural shear, axial, and bending moment forces from said mid region of said support legs to an upper region of said skirt piles, said forces being subsequently transferred via said skirt piles to said sea floor; and
- (e) pile guides secured to said support legs and laterally aligning said skirt piles with respect to said support legs.

Compl. specn. 9 pages.

Drg. 1 sheet

164330

Int. Cl. : F 03 b 1/00.

A VARIABLE SPEED WIND TURBINE.

Applicant : UNITED TECHNOLOGIES CORPORATION, AT 1, FINANCIAL PLAZA, HARTFORD, CONNECTICUT 06101, U. S. A.

Inventors : 1. GLIDDEN SWEET DOMAN, 2. JOSEPH MICHAEL KOS, 3. KERMIT IVAN HARNER, 4. EUGENE DVALENTIN, 5. HENRY STEPHEN HEALY.

Application No. 821/Cal/86 filed November 13, 1986.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A variable speed wind turbine system having an optimum power coefficient versus velocity ratio performance curve, comprising :

a turbine rotor shaft with a hub at one end with at least one blade attached to the hub;

a gearbox, having a low speed side thereof attached to the other end of the turbine rotor shaft;

an AC generator, having a generator rotor shaft attached to a high speed side of the gearbox, the generator providing variable frequency AC at a power output line thereof;

sensing means, for sensing generator speed and generator electrical power output and for providing sensed signals indicative thereof;

a variable speed wind turbine controller, responsive to the sensed signals indicative of generator speed and generator electrical power output, for providing a generator torque command signal for commanding maneuvers of the generator speed according to a function defining generator speed versus generator electrical power output which maneuvers tend to cause the wind turbine to operate substantially on the wind turbine power coefficient versus velocity ratio optimum performance curve substantially at the peak thereof; and

a frequency converter, electrically connected to the generator power output line and responsive to the generator output AC for converting the variable frequency AC to constant frequency AC, the frequency converter responsive to the generator torque command signal for controlling the magnitude of power flow through the converter, thereby effecting control of the generator torque.

Compl. specn. 26 pages.

Drgs. 6 sheets

R. A. ACHARYA,
Controller General of Patents,
Designs and Trade Marks